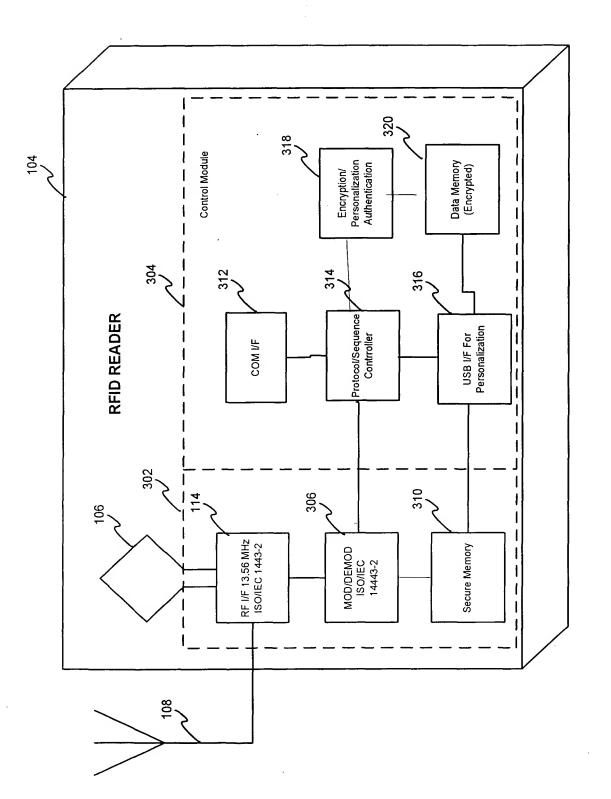


FIGURE 2



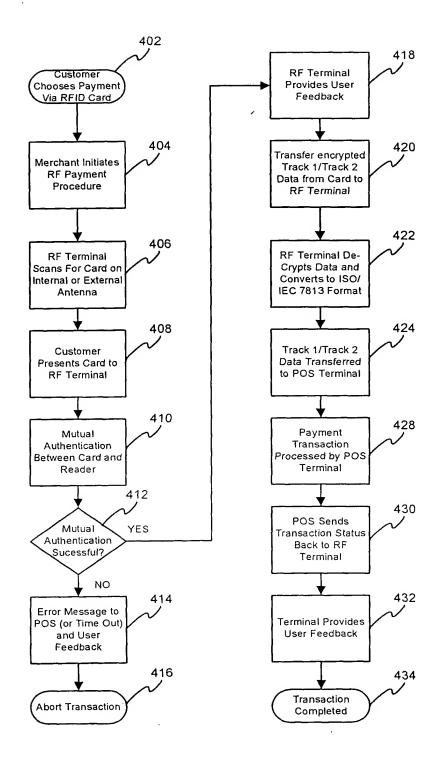
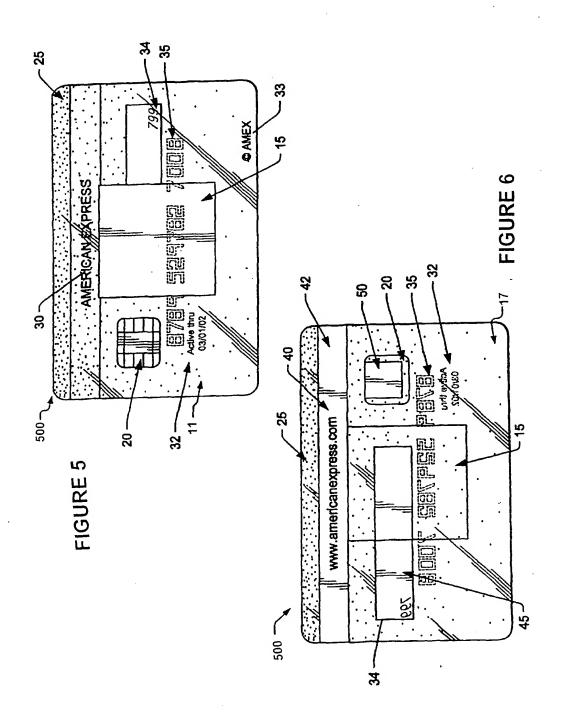
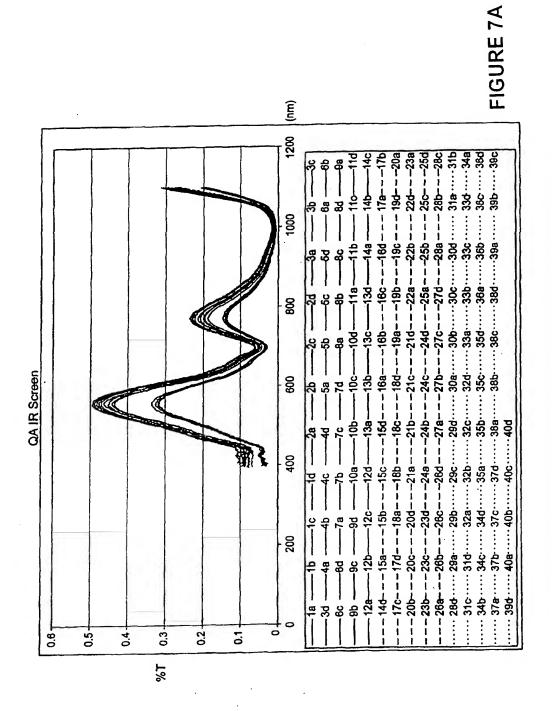


FIGURE 4





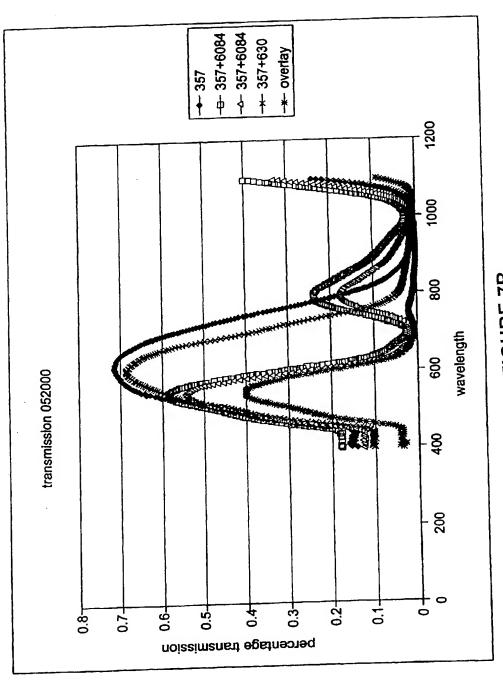


FIGURE 7B

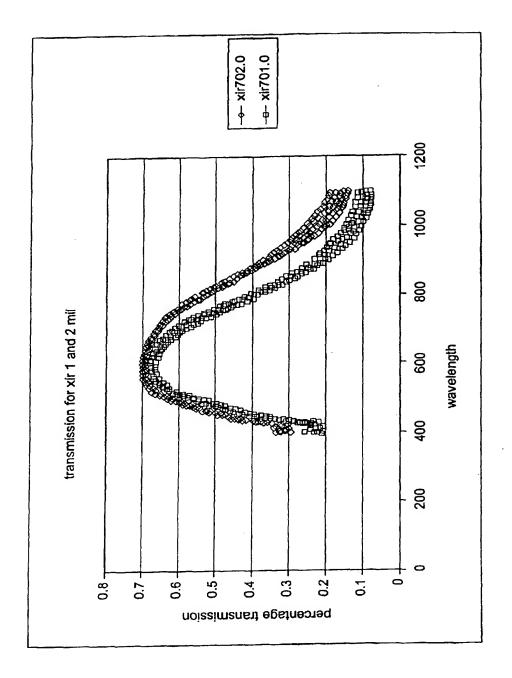


FIGURE 7C

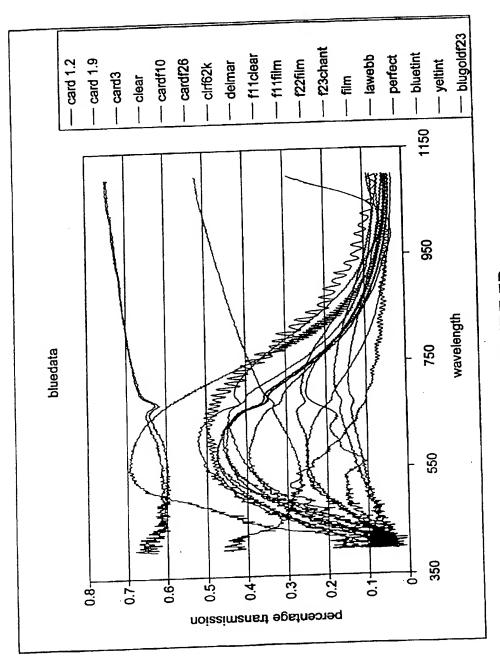


FIGURE 7D

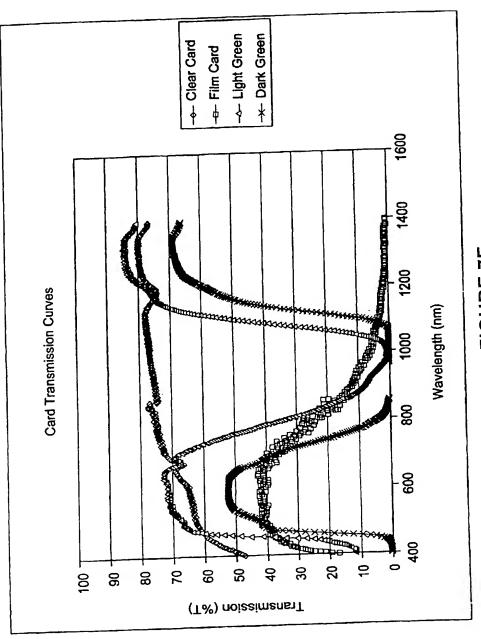


FIGURE 7E

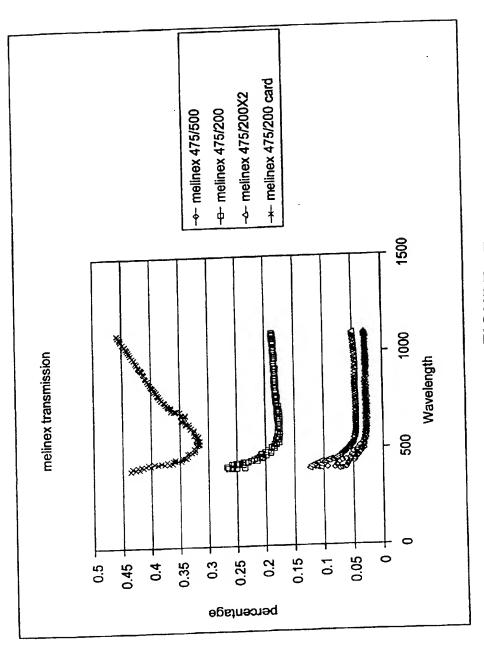


FIGURE 7F

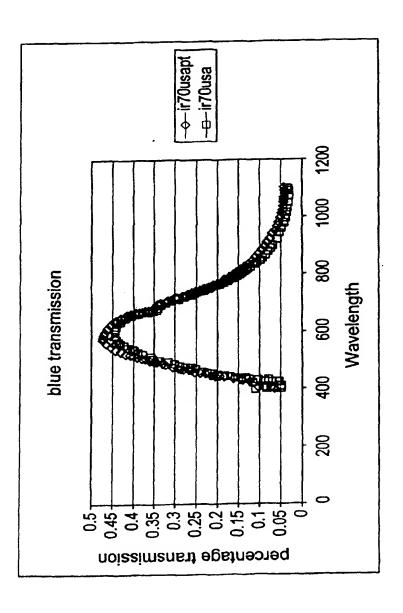


FIGURE 7G

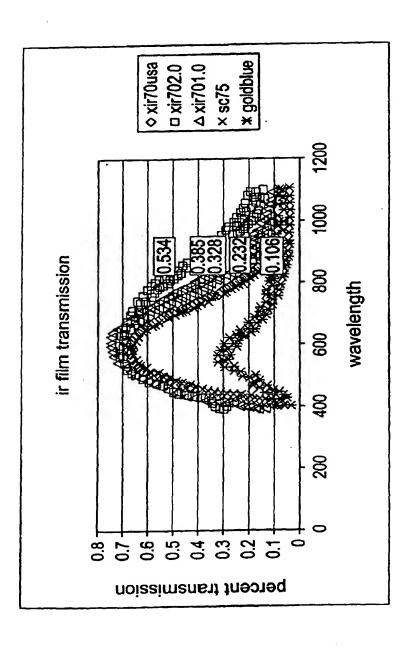


FIGURE 7H

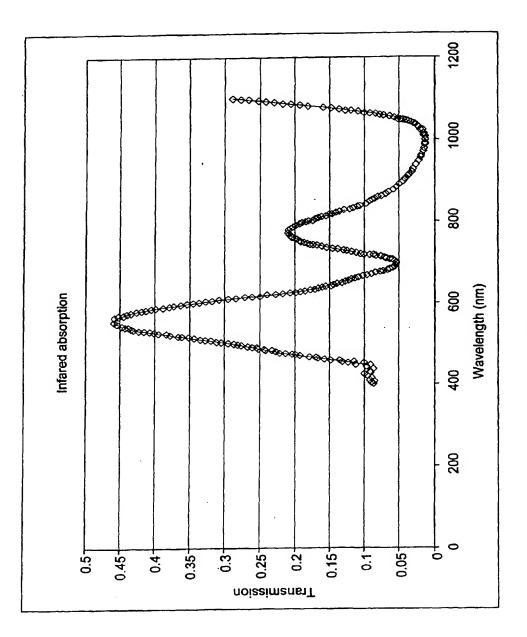


FIGURE 71

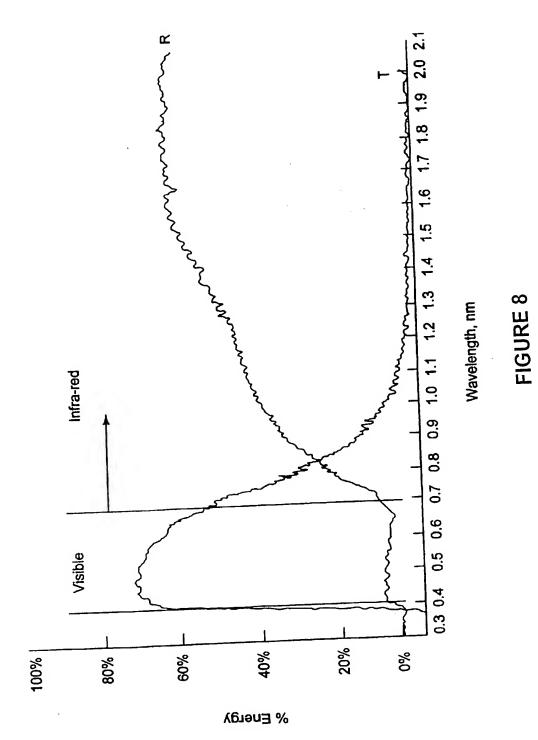


FIGURE 9

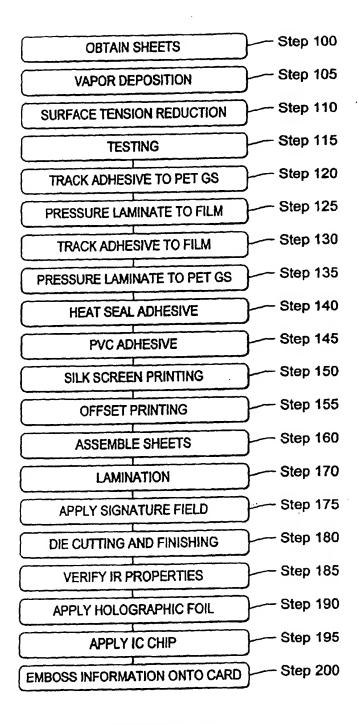


FIGURE 10

CARD FRONT

Holographics, embossed surface, chip, etc.

PVC laminate - 2.0 mil Printed PVC - 9.0 mil	PET GS - 1.7 mil	PET GS - 1.7 mil PVC adhesive - 2.0 mil	Printed PVC - 9.0 mil PVC Laminate with Magnetics - 2.0 mil
	Sub-Assembly Construction		

Signature Panel, magnetic strip, etc.

CARD BACK

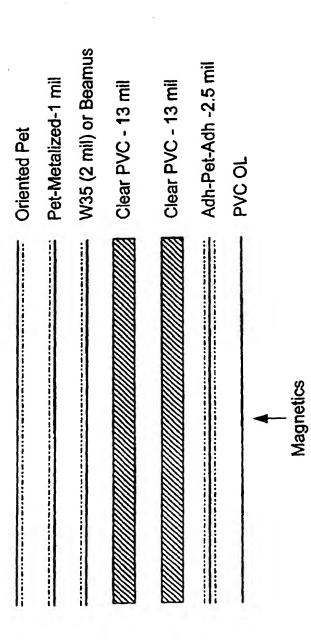


FIGURE 11B

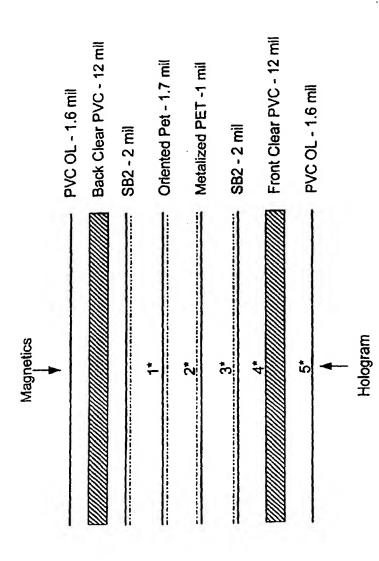


FIGURE 11C

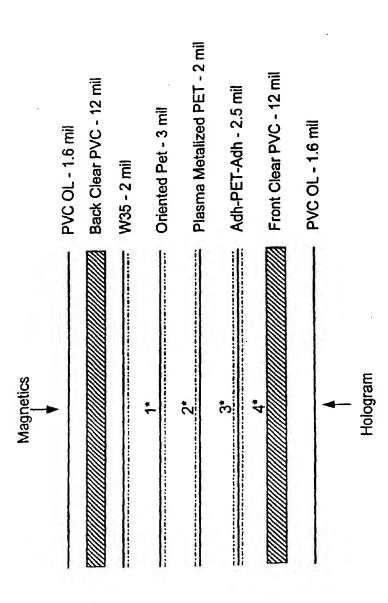


FIGURE 11D

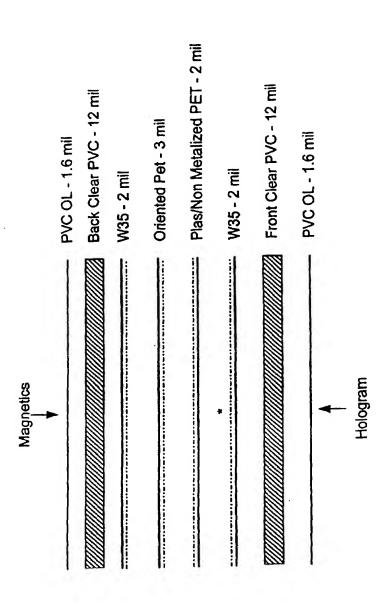


FIGURE 11E

		Back Clear PVC - 12 mil
	***************************************	W35 - 2 mil
		Oriented Pet - 1.7 mil
Subassy		Plasma Metalized PET - 2 mil
		Oriented Pet - 1.7 mil
	2*	W35 - 2 mil
		Front Clear PVC - 12 mil

FIGURE 11F

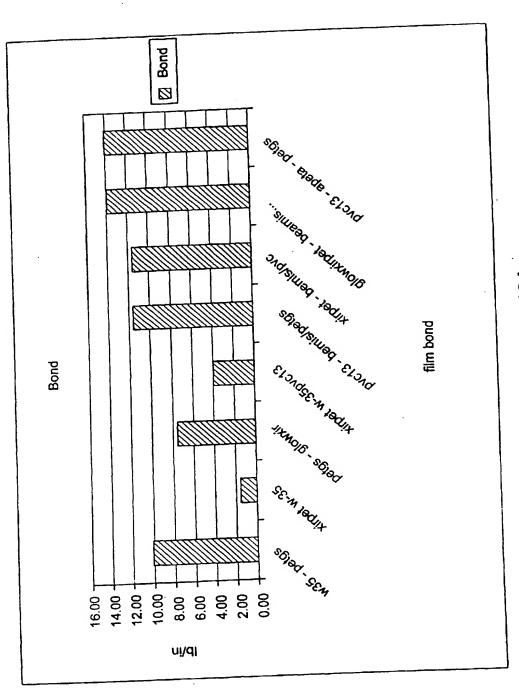


FIGURE 12A

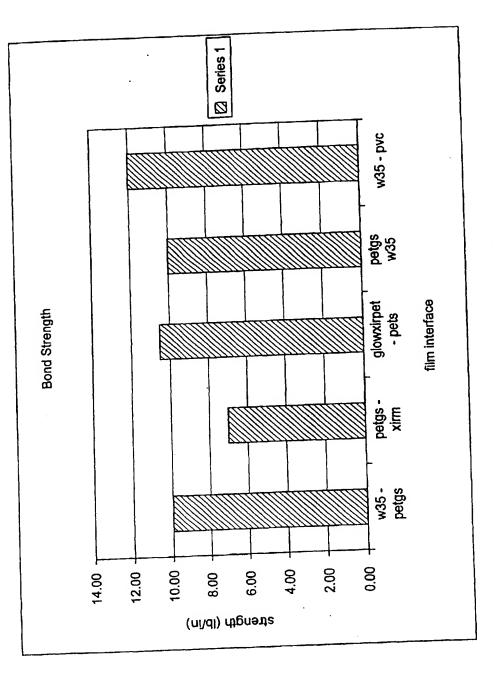


FIGURE 12B

Number	Material	Specifications	Source	Comments
	Construction 1 - white needs	work, lamination temperature	too low, pvc core	bond low.
1	pvc laminate	1.60	oberthur	front 4.1, 4.4; back 4.0, 4.0
2	pet adhesive both sides	2.50	allied signal	
3	printed core - white #1	12.00	oberthur	
4	printed core - white #1	12.00	oberthur	
5	wi-35 pvc (adh to xir)	2.00	klockner	
6	xir (metal to pet gs)	1.00	southwall	
7	pet glue/stamp	1.70	d & k	1.2 mil adhesive, 0.5 mil pet.
Total		32.80		thickness .030031
4	Construction 2	1.60	oberthur	
	pvc laminate	2.50	allied signal	
	pet adhesive both sides	12.00	oberthur	•
	printed core		oberthur	
	printed core	12.00		
	wl-35 pvc (adh to xir)	2.00	klockner	
	xir (metal to pet gs)	1.00	southwall	4.0 m. H. andhara bara 10.0 mellimet
	pet glue/stamp (adh to xir)	1.70	d&k	1.2 mil adhesive, 0.5 mil pet.
	wl-35 pvc (adh to pet)	2.00	klockner	
Total	Construction 3	34.80		
	Construction 3	1,60	oberthur	
	pvc laminate	2.50	allied signal	
	pet adhesive both sides	12.00	oberthur	
	printed core	12.00	oberthur	
	printed core	2.00	klockner	
	wl-35 pvc (adh to xir)	1.00	southwall	
	xir (metal to pet gs)	1.70	d&k	4.0 - il - dha sha . 0.5 mil sat
	pet glue/stamp (adh to xir)	2.00	allied signal	1.2 mil adhesive, 0.5 mil pet.
	gomar pvc (adh to pet)	2.00 34.80	anieu signai	
Total	0tt 4bita #0 tao	dark, temperature too low, pv	re lemination band	Imar
4		dark, temperature too low, pv	oberthur	front 4.0.4.3; back tops
	pvc laminate	2.50	allied signal	front - 4.0, 4.3; back tear
	pet adhesive both sides	12.00	oberthur	
	printed core - white #2	12.00	oberthur	
	printed core - white #2	. 2.00	klockner	
	bemis (adh to xir)		southwall	
	xir (metal to pet gs)	1.00	d & k	4 O and a discount of Continue
	pet glue/stamp	1.70 32.80	UOLK	1.2 mil adhesive, 0.5 mil pet.
Total			us lamination has	thickness .030031
	Construction 5 - white #3 too	low		
	pvc laminate	1.60 2.50	oberthur	
	pet adhesive both sides	12.00	allied signal oberthur	
	printed core - white #3		oberthur	
	printed core - white #3	12.00		
	w-35 (adh to xir pet)	2.00 1.00	klockner southwall	
	xir (metal to pet gs)	1.70	d&k	1.2 mil adhasha 0.5 mil act
7	pet glue/stamp		UQK	1.2 mil adhesive, 0.5 mil pet.
	Total	32.80	•	thickness .030031
	howard 1.0 coating	22.60	zeneca?	
	neocryl b725	33.60 31.20	Zeneca?	
	EtOH	31.20 31.20		•
3	nPOAc	31.20		

	*	4 citraflex a4		lip, greensboro	
	Total	acceptance of a serve to stick al.	100.00	ka aub laminat	
		construction #6 - seems to stick ok, to pvc laminate	pest so far, scale up. Mai 1,60	ke suo-iaminat oberthur	(aka - s)
		2 core pvc	12.00	oberthur	
		3 bemis	2.00	bemis	
		4 petgs	1.70	d & k	
		5 xir (metal to pet gs)	1.00	southwall	plasma treated
		6 bemis	2.00	bemis	piasilia deaco
		7 core pvc	12.00	oberthur	
		8 pvc laminate	1.60	oberthur	magnetics
	Total		33.90	••••	magnetos
		herslow sublamination			
	Total Price	e			
		construction #7 seems to stick ok, t	oest so far, scale up. Mai	ke sub-laminat	(aka - t)
		1 pvc laminate	1.60	oberthur	(4
		2 core pvc	12.00	oberthur	
		3 w-35	2.00	bemis	
		4 petgs	1.70	d & k	
		5 xir (metal to pet gs)	1.00	southwall	plasma treated
		6 bemis	2.00	bemis	
		7 core pvc	12.00	oberthur	
		8 pvc laminate	1.60	oberthur	magnetics
	Total		33.90		•
		construction #7 - seems to stick ok, t	oest so far, scale up. Mal	ke sub-laminat	(aka - t)
		1 pvc laminate	1.60	oberthur	
	;	2 core pvc	12.00	oberthur	
		3 w-35	2.00	bemis	
		4 petgs	1.70	d & k	
		5 xir (metal to pet gs)	1.00	southwall	plasma treated
		6 w-35	2.00	bemis	
		7 core pvc	12.00	oberthur	core to core = 14.2 lb.in.
		8 pvc taminate	1.60	oberthur	magnetics
	Total		33.90		
		construction #8 - sublaminate to be u	•		
		1 w-35	2.00		
		2 petgs	1.70		
		3 xir (metal to pet gs)	1.00		
	Total		4.70		
construction #9 - sublaminate to be used with 10 mll pvc core 1 pvc laminate 1,60					
		1 pvc laminate	2.00		
		2 w-35	1.70		
		3 petgs	1.00		
		4 xir (metal to pet gs) 5 bemis	2.00		
		6 pvc laminate	1.60		
	Total	o pre territiate	9.90		
		construction #10 (if u works)	4.44		
		1 w35	2.00		
		2 petgs	1.70		
		3 xir (metal to p t gs)	1.00		
		4 w35	2.00		

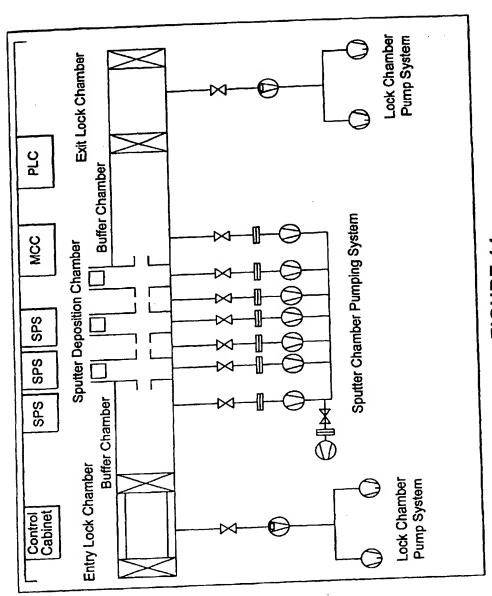
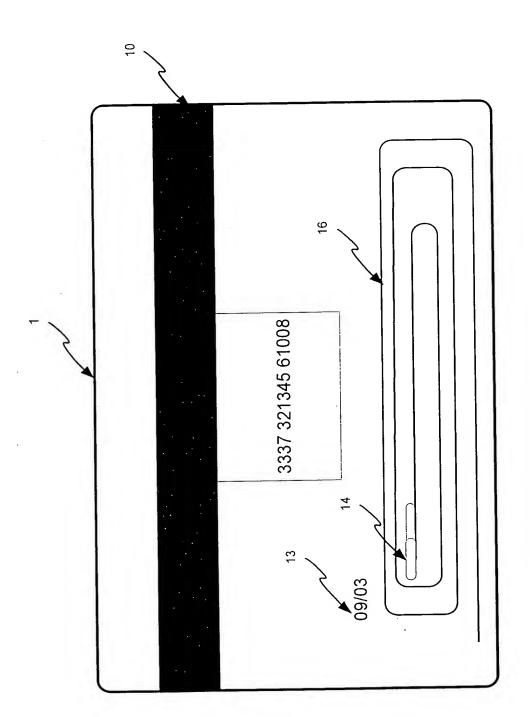


FIGURE 14

FIGURE 15A



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FIGURE 15B

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FIGURE 16

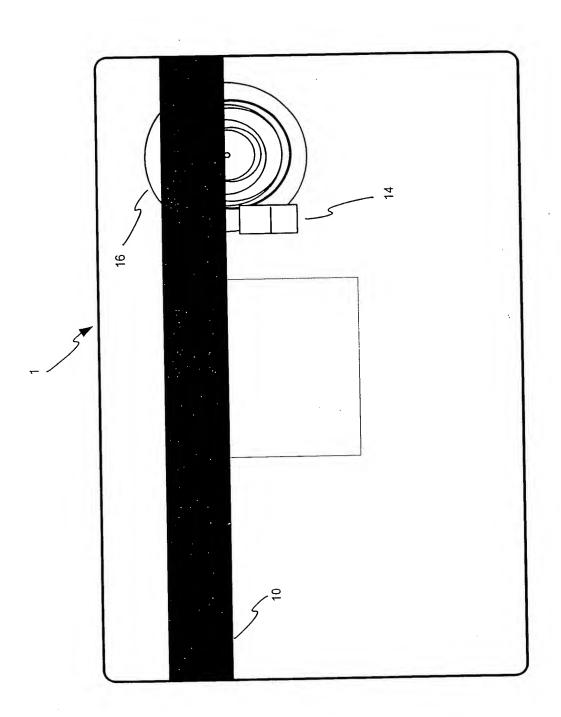


FIGURE 18